

Overview

- Outstanding reliability and unrivalled immunity against ambient light
- Baumer PinPoint LED: Small, homogeneous light spot with sharp edges
- Line beam for complete detection of irregular, perforated objects
- qTeach - tamper-proof, simple teach-in with ferromagnetic tool
- Quick mounting by means of M3 threaded bushes made of stainless steel



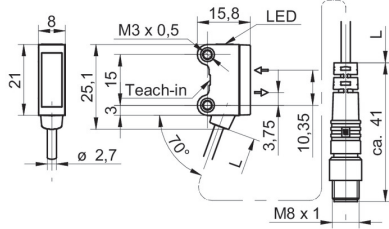
Picture similar



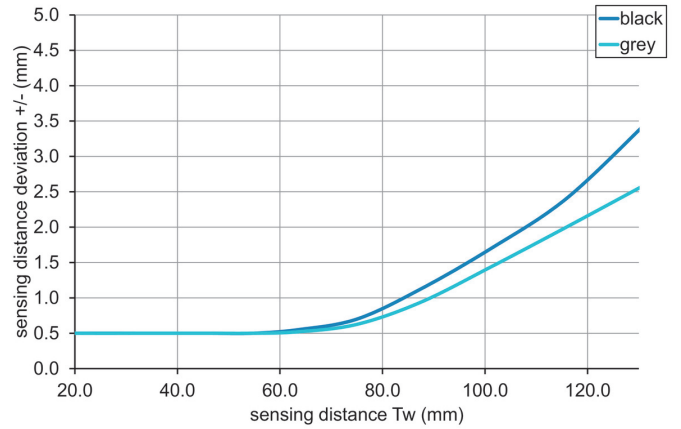
Technical data

General data		Electrical data	
Type	Background suppression	Current consumption max. (no load)	40 mA (@ 10 VDC)
Version	Line beam	Current consumption typ.	16 mA (@ 24 VDC)
Light source	Pulsed PinPoint LED	Voltage drop Vd	< 2 VDC
Sensing distance Tw	20 ... 120 mm	Output function	Light / dark operate
Sensing range Tb	3 ... 132 mm	Output circuit	PNP complementary
Smallest object recognizable typ.	8 mm at 60 mm	Output current	< 50 mA
Alignment / soiled lens indicator	Flashing output indicator	Short circuit protection	Yes
Power on indication	LED green	Reverse polarity protection	Yes
Output indicator	LED yellow	Mechanical data	
Sensing distance adjustment	qTeach	Width / diameter	8 mm
Wave length	644 nm	Height / length	25,1 mm
Suppression of reciprocal influence	Yes	Depth	15,8 mm
Beam type	Line	Type	Rectangular
Alignment optical axis	< 1,5°	Mechanical mounting	Threaded sleeves M3 (stainless steel)
Electrical data		Housing material	Plastic (ASA, PMMA)
Response time / release time	≤ 2 ms	Front (optics)	PMMA
Jitter	≤ 2 ms	Connection types	Flylead connector M8 4 pin, L=200 mm
Voltage supply range +Vs	10 ... 30 VDC	Cable characteristics	PVC / PVC 4 x 0,08 mm ²
		Ambient conditions	
		Protection class	IP 67
		Operating temperature	-25 ... +50 °C

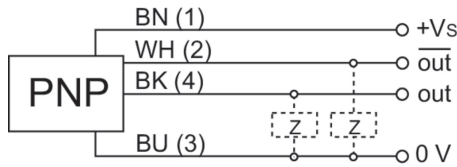
Dimension drawing



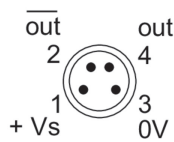
Sensing distance diagram



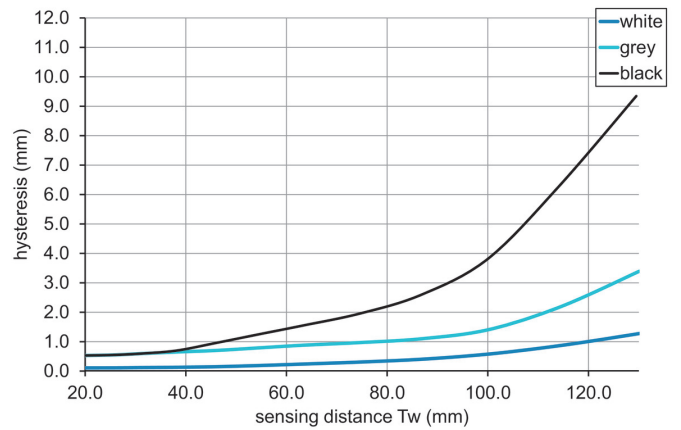
Connection diagram



Pin assignment



Hysteresis curve



Beam characteristic (typically)

